REMARKS

In accordance with the foregoing, the specification has been amended to improve form and provide improved correlation with the drawings and claims. Claims 1, 17, 43, 65, 67, and 69 have been amended to add new limitations thereto, claims 1, 5-9, 13, 17, 21-25, 29, 33-43, 47-50, and 59-69 are pending, and claims 1, 5-9, 13, 17, 21-25, 29, 47-50, and 64-69 are under consideration. No new matter is presented in this Amendment.

REJECTIONS UNDER 35 U.S.C. §101:

Claims 42, 47-50, 68, and 69 are rejected under 35 U.S.C. §101 because the claimed invention is directed to non-statutory subject matter. Paragraph [0053] has been amended to remove a "carrier wave" as an example of a recording medium. Therefore, Applicants respectfully submit that the rejection is moot.

REJECTIONS UNDER 35 U.S.C. §102:

Claims 1, 5-9, 21-25, 43-58, 65, 67 and 69 are rejected under 35 U.S.C. §102(b) as being anticipated by Kondo et al. (U.S. Publication No. 2002/0110067), hereinafter "Kondo '067." The Applicants respectfully traverse the rejection and request reconsideration.

Regarding the rejection of independent claim 1, it is noted that amended claim 1 now recites a method of "generating a unit wobble signal of the coded address data... wherein a first portion of the unit wobble signal is modulated by using a first type and a second type of a first modulation method, and a second portion of the unit wobble signal is modulated by using a first type and a second type of a second modulation method." In contrast, Kondo '067 discloses a method of generating a wobble signal of address data using two types of one modulation method (FIGs. 9-12). That is, a first modulation method and a second modulation method of Kondo correspond respectively to a first type and a second type of a first modulation method of the present claim. However, Kondo does not disclose a method of using two modulation methods for one unit signal. Therefore, Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a generating of a unit wobble signal using two modulation methods, as recited in amended claim 1.

Regarding the rejection of claim 5, it is noted that this claim depends from claim 1 and is, therefore, allowable for at least the reasons set forth above. Furthermore, it is noted that claim 5

recites "generating at least two signals used to distinguish signals indicating a bit value of the address data." In contrast, Kondo '067 only teaches a replacing of an original sequence of bit values with another sequence of bit values to indicate the original sequence (paragraph [0192], lines 4-6). In the present claim, signals indicating a bit value are maintained while distinguished by additional signals. Kondo '067, however, does not maintain the signals indicating the bit value, but replaces the signals indicating the bit value. Therefore, Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a generating of signals used to distinguish signals indicating a bit value of address data, as recited in claim 5.

Regarding the rejection of claims 6-8, it is noted that these claims depend from claim 1 and are, therefore, allowable for at least the reasons set forth above.

Regarding the rejection of claim 9, it is noted that this claim depends from claim 1 and is, therefore, allowable for at least the reasons set forth above. Furthermore, it is noted that claim 9 recites a generating of a signal that indicates a start of the coded address data. In contrast, Kondo '067 discloses only the recording of the address data. Specifically, the Examiner cites paragraph [0187] as a teaching of the signal indicating the start of the coded address data. However, paragraph [0187] only describes a modulation of address data using different modulation methods, and does not disclose a signal indicating the start of the address data. Therefore, the Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a generating of a signal indicating a start of the coded address data, as recited in claim 9.

Regarding the rejection of independent claim 17, it is noted that amended claim 17 now recites a unit wobble signal of a coded address data, "wherein a first portion of the unit wobble signal is modulated by using a first type and a second type of a first modulation method, and a second portion of the unit wobble signal is modulated by using a first type and a second type of a second modulation method." In contrast, Kondo '067 discloses a method of generating a wobble signal of address data using two types of one modulation method (FIGs. 9-12). That is, a first modulation method and a second modulation method of Kondo correspond respectively to a first type and a second type of a first modulation method of the present claim. However, Kondo does not disclose a method of using two modulation methods for one unit signal. Therefore, Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a generating of a unit wobble signal using two modulation methods, as recited in amended claim 17.

Regarding the rejection of claim 21, it is noted that this claim depends from claim 17 and is, therefore, allowable for at least the reasons set forth above. Furthermore, it is noted that claim 21 recites "generating at least two signals to distinguish signals indicating a bit value of the address data." In contrast, Kondo '067 only teaches a replacing of an original sequence of bit values with another sequence of bit values to indicate the original sequence (paragraph [0192], lines 4-6). In the present claim, signals indicating a bit value are maintained while distinguished by additional signals. Kondo '067, however, does not maintain the signals indicating the bit value, but replaces the signals indicating the bit value. Therefore, Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a generating of signals used to distinguish signals indicating a bit value of address data, as recited in claim 21.

Regarding the rejection of claims 22-24, it is noted that these claims depend from claim 17 and are, therefore, allowable for at least the reasons set forth above.

Regarding the rejection of claim 25, it is noted that this claim depends from claim 17 and is, therefore, allowable for at least the reasons set forth above. Furthermore, it is noted that claim 25 recites a generating of a signal that indicates a start of the coded address data. In contrast, Kondo '067 discloses only the recording of the address data. Specifically, the Examiner cites paragraph [0187] as a teaching of the signal indicating the start of the coded address data. However, paragraph [0187] only describes a modulation of address data using different modulation methods, and does not disclose a signal indicating the start of the address data. Therefore, the Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a generating of a signal indicating a start of the coded address data, as recited in claim 25.

Regarding the rejection of independent claim 43, it is noted that amended claim 43 now recites a method of "generating a unit wobble signal of the coded address data... wherein a first portion of the unit wobble signal is modulated by using a first type and a second type of a first modulation method, and a second portion of the unit wobble signal is modulated by using a first type and a second type of a second modulation method." In contrast, Kondo '067 discloses a method of generating a wobble signal of address data using two types of one modulation method (FIGs. 9-12). That is, a first modulation method and a second modulation method of Kondo correspond respectively to a first type and a second type of a first modulation method of the present claim. However, Kondo does not disclose a method of using two modulation methods for one unit signal. Therefore, Applicants respectfully submit that Kondo '067 fails to

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disclose, implicitly or explicitly, a generating of a unit wobble signal using two modulation methods, as recited in amended claim 43.

Regarding the rejection of claims 44-46, it is noted that these claims have previously been cancelled without prejudice or disclaimer. Accordingly, Applicants respectfully request that the rejection of these cancelled claims be withdrawn.

Regarding the rejection of claim 47, it is noted that this claim depends from claim 43 and is, therefore, allowable for at least the reasons set forth above. Furthermore, it is noted that claim 47 recites "generating at least two signals used to distinguish signals indicating a bit value of the address data." In contrast, Kondo '067 only teaches a replacing of an original sequence of bit values with another sequence of bit values to indicate the original sequence (paragraph [0192], lines 4-6). In the present claim, signals indicating a bit value are maintained while distinguished by additional signals. Kondo '067, however, does not maintain the signals indicating the bit value, but replaces the signals indicating the bit value. Therefore, Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a generating of signals used to distinguish signals indicating a bit value of address data, as recited in claim 47.

Regarding the rejection of claims 48-50, it is noted that these claims depend from claim 43 and are, therefore, allowable for at least the reasons set forth above.

Regarding the rejection of claims 51-58, it is noted that these claims have previously been cancelled without prejudice or disclaimer. Accordingly, Applicants respectfully request that the rejection of these cancelled claims be withdrawn.

Regarding the rejection of claim 65, it is noted that this claim depends from claim 1 and is, therefore, allowable for at least the reasons set forth above. Furthermore, it is noted that amended claim 64 now recites the unit wobble signal "correspond[ing] to 2 bits of the coded address data." In contrast, while Kondo '067 teaches a wobble signal with 2 bits, the 2 bits corresponds to only 1 bit of the coded address data (FIG. 13 and paragraph [0194], lines 4-5). Therefore, Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a unit wobble signal corresponding to 2 bits of the coded address data, as recited in claim 65.

Regarding the rejection of claim 67, it is noted that this claim depends from claim 17 and is, therefore, allowable for at least the reasons set forth above. Furthermore, it is noted that amended claim 67 now recites the unit wobble signal "correspond[ing] to 2 bits of the coded address data." In contrast, while Kondo '067 teaches a wobble signal with 2 bits, the 2 bits

corresponds to only 1 bit of the coded address data (FIG. 13 and paragraph [0194], lines 4-5). Therefore, Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a unit wobble signal corresponding to 2 bits of the coded address data, as recited in claim 67.

Regarding the rejection of claim 69, it is noted that this claim depends from claim 43 and is, therefore, allowable for at least the reasons set forth above. Furthermore, it is noted that amended claim 69 now recites the unit wobble signal "correspond[ing] to 2 bits of the coded address data." In contrast, while Kondo '067 teaches a wobble signal with 2 bits, the 2 bits corresponds to only 1 bit of the coded address data (FIG. 13 and paragraph [0194], lines 4-5). Therefore, Applicants respectfully submit that Kondo '067 fails to disclose, implicitly or explicitly, a unit wobble signal corresponding to 2 bits of the coded address data, as recited in claim 69.

REJECTIONS UNDER 35 U.S.C. §103:

Claims 64, 66, and 68 are rejected under 35 U.S.C. §103(a) as being unpatentable over Kondo et al '067 in view of Applicant Admitted Prior Art (AAPA). The Applicants respectfully traverse the rejection and request reconsideration.

Regarding the rejection of claim 64, it is noted that this claim depends from claim 1 and is, therefore, allowable for at least the reasons set forth above.

Regarding the rejection of claim 66, it is noted that this claim depends from claim 17 and is, therefore, allowable for at least the reasons set forth above.

Regarding the rejection of claim 68, it is noted that this claim depends from claim 43 and is, therefore, allowable for at least the reasons set forth above.

Claims 13 and 29, are rejected under 35 U.S.C. §103(a) as being unpatentable over Kondo et al '067 in view of Kondo et al '934 (U.S. Publication No. 2005/00099934). The Applicants respectfully traverse the rejection and request reconsideration.

Regarding the rejection of claim 13, it is noted that this claim depends from claim 1 and is, therefore, allowable for at least the reasons set forth above.

Regarding the rejection of claim 29, it is noted that this claim depends from claim 17 and is, therefore, allowable for at least the reasons set forth above.

Based on the foregoing, this rejection is respectfully requested to be withdrawn.

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CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.
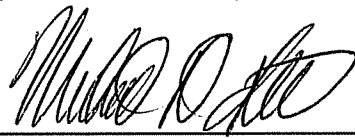
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 503333.

Respectfully submitted,

STEIN, MCEWEN & BUI, LLP

Date: _1/28/08_

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